

IN THE CLAIMS

Original claims 1-14 were cancelled by the Preliminary Amendment. Claims 15, 18 and 33 are currently amended. Claims 16, 19-24, 26, 28, 30 and 32 are currently cancelled. Claims 17, 25, 27, 29, 31 and 34 are carried forward.

Claims 1-14 (Cancelled)

15. (Currently Amended) A cylinder of a rotary printing press comprising:

a cylinder base body having a cylinder base body outer circumference;

a plurality of spiral shaped strips on said cylinder base body outer circumference;

a cylinder outer body supported by said plurality of spiral shaped strips on, and spaced from said cylinder base body by said plurality of spiral shaped strips, said cylinder outer body being non self-supporting and having a small wall thickness defined by an inner surface and an outer shell surface;

a multiplex-threaded spiral shaped conduit on said cylinder base body outer circumference[[:]] and defined by said plurality of spiral shaped strips;

a plurality of separate spiral-shaped flow paths, through which tempering medium can flow, said plurality of separate spiral-shaped flow paths being defined by said multiplex-threaded spiral shaped conduit on said cylinder base body circumference and said inner surface of said cylinder outer body, conduit, said outer shell surface of

said cylinder outer body being adapted for conducting printing ink[.]; and

means for separately supplying a tempering medium to, and for removing
a tempering medium from each of said plurality of separate spiral shaped flow paths.

Claim 16 (Cancelled)

17. (Previously Presented) The cylinder of claim 15 wherein said conduit is octuply-threaded.

18. (Currently Amended) The cylinder of claim 15 wherein said conduit has a volume
~~first cross-sectional area~~ and further wherein said cylinder outer body shell surface has
~~an a second cross-sectional area~~ and wherein a ratio of said volume to said area first
~~and second cross-sectional areas~~ is in the range of 1200:1 ~~1:1200~~ to 1600:1 ~~1:1600~~.

Claims 19-24 (Cancelled)

25. (Previously Presented) The cylinder of claim 15 further including a supply line
and a removal line for said tempering medium.

Claim 26 (Cancelled)

27. (Previously Presented) The cylinder of claim 25 further including at least one journal for supporting said cylinder, said supply line and said removal line being coaxially arranged in said journal.

Claim 28 (Cancelled)

29. (Previously Presented) The cylinder of claim 15 wherein said cylinder is an inking roller.

Claim 30 (Cancelled)

31. (Previously Presented) The cylinder of claim 15 wherein said cylinder is an screen roller.

Claim 32 (Cancelled)

33. (Currently Amended) The cylinder of claim 15 wherein said cylinder outer body has a wall thickness and an axial length and further wherein a ratio of said wall thickness to said axial length is in a range of 1:200 to 1:1200.

34. (Previously Presented) The cylinder of claim 33 wherein said range is between 1:400 and 1:1000.